

ABSTRACT OF THE DISCLOSURE

A probe pod housing is connected by a cable to an active probe. The probe pod housing carries a male push-on precision BNC connector that is also a cross-series adapter. The center conductor of the cable receives a male connector that then mates with the non-BNC end of the cross-series adapter. Auxiliary conductors that may also be carried by the cable are connected to male pins (soldered to a circuit board carried within the probe pod) with a push-on female in-line connector. The active probe itself uses a soldered-to-the-shield threaded nut technique. The nut threads into a metallic body that contains the impedance converter and that is enclosed by the body of the active probe. The cable is replaced by first unsoldering the center conductor (and also any auxiliary conductors). Then the nut (which is still soldered to the shield) is unscrewed from the metallic body, and the cable is free from the probe. At the probe pod end the cable mounted male connector is simply unscrewed from the cross-series adapter, and any auxiliary conductors disconnected by removing the female wire-mounted in-line connector.